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FAX NO. 3523725800

P. 04

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JAN 05 2006

I hereby certify that this correspondence is being  
facsimile transmitted to the United States Patent  
and Trademark Office on the date shown below:

January 5, 2006

Margaret Efron, Patent Attorney

PETITION TO ADD INVENTOR  
UNDER 37 C.F.R. 1.48  
Docket No. UF-378C1  
Serial No. 10/678,506

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Jacqueline DiRamio  
Art Unit : 1641  
Applicant(s) : Richard J. Melker, Ronald L. Hayes, Ka-Wang Kevin  
Wang, Donn Michael Dennis  
Serial No. : 10/678,506  
Filing Date : October 2, 2003  
Conf. No. : 1941  
For : Novel Application of Nanotechnology and Sensor  
Technologies for Ex-vivo Diagnostics

35

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

01/09/2006 EFLORES 00000035 190065 10678506  
01 FC:1464 130.00 DA

PETITION & REQUEST FOR CORRECTION OF INVENTORSHIP  
UNDER 37 CFR 1.48(a)

Sir:

It is respectfully requested that the inventorship of the above-identified application be corrected. Authority for this petition and the correction of inventorship is found in 37 C.F.R. 1.48(a), reproduced below.

37 C.F.R. § 1.48 Correction of inventorship in a patent application, other than a  
reissue application

01/09/2006 EFLORES 00000035 190065 10678506  
01 FC:1464 130.00 DA

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- (a) If the inventive entity is set forth in error in an executed Section 1.63 oath or declaration in an application, other than a reissue application, and such error arose without any deceptive intention on the part of the person named as an inventor in error or on the part of the person who through error was not named as an inventor, the application may be amended to name only the actual inventor or inventors. When the application is involved in an interference, the amendment must comply with the requirements of this section and must be accompanied by a motion under Section 1.634. Such amendment must be accompanied by:

- (1) A request to correct the inventorship that sets forth the desired inventorship change;
- (2) A statement from each person being added as an inventor and from each person being deleted as an inventor that the error in inventorship occurred without deceptive intention on his or her part;
- (3) An oath or declaration by the actual inventor or inventors as required by Section 1.63 or as permitted by Section 1.42, 1.43 or 1.47;
- (4) The processing fee set forth in Section 1.17(i); and
- (5) If an assignment has been executed by any of the original named inventors, the written consent of the assignee (see Section 3.73(b)).

Charles Martin and Jon D. Stewart were unintentionally, and without deceptive intent, not originally included on the application as coinventors. The applicants respectfully request the correction of inventorship.

Accompanying this Petition and Request for Correction of Inventorship are the following:

- (1) A petition including a statements from the individuals being added as co-inventors as well as statements from existing inventors that the error in inventorship occurred without deceptive intention on their part ;
- (2) A declaration under Section 1.63 by the actual inventors;
- (3) The fee set forth in Section 1.17(i); and
- (4) The written consent of the assignee (see Section 3.73(b)).

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Docket No. UF-378C1  
Serial No. 10/678,506

Please charge \$130.00 to Deposit Account 19-0065. Two copies of this sheet are enclosed. The Commissioner is also authorized to charge any additional fees that may be required by this paper to Deposit Account No. 19-0065.

Respectfully submitted,



Margaret Efron  
Patent Attorney  
Registration No. 47,545  
Phone No.: (352) 375-8100  
Fax No. : (352) 372-5800  
Address : P.O. Box 142950  
Gainesville, FL 32614-2950

MUE/la

Attachments: Written Consent Certificate Under 37 CFR §3.73(b) of Assignee  
Executed Statements of all co-inventors (6); and  
Executed Declaration and Power of Attorney forms of all inventors (6)

## FACSIMILE COVER SHEET

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## SALIWANCHIK, LLOYD &amp; SALIWANCHIK

A Professional Association  
P.O. Box 142950  
Gainesville, FL 32614-2950

JAN 05 2006

Telephone (352) 375-8100  
Facsimile (352) 372-5800

TO: Examiner Jacqueline A. DiRamio

FROM: Margaret Efron

COMPANY: U.S. Patent Office  
Art Unit 1641

DATE: January 5, 2006

FAX NO.: (571) 273-8300

NO. OF PAGES  
(INCLUDING COVER SHEET): 45

## SUBJECT/MESSAGE:

Re: Serial No. 10/678,506; filed October 2, 2003  
Docket No. UF-378C1

- 1) Communication under 37 CFR 1.48(a) (2 pages);
- 2) Petition & Request for Correction of Inventorship Under 37 CFR 1.48(a) (3 pages)
- 3) Statement and Certificate Under 37 CFR §3.73(b) (2 pages);
- 4) Two Assignments (13 pages);
- 5) Statements from inventors being added (2);
- 6) Statements from existing inventors (4); and
- 7) Newly executed Declaration and Power of Attorney forms (18 pages)

**THIS IS AN OFFICIAL DOCUMENT!**  
**PLEASE DELIVER TO EXAMINER DIRAMIO IMMEDIATELY**

*The information contained in this facsimile message is intended only for the personal and confidential use of the designated recipients named below. This message may be an attorney-client communication, and as such is privileged and confidential. If the reader of this message is not the intended recipient or an agent responsible for delivering it to the intended recipient, you are hereby notified that you have received this document in error, and that any review, dissemination, distribution, or copying of this message is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message by mail. Thank you.*

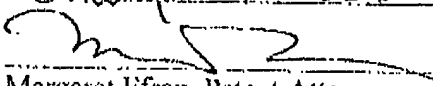
*If you do not receive all pages or if any transmission is not legible, call the sender at (352) 375-8100.*

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I hereby certify that this correspondence is being  
facsimile transmitted to the United States Patent  
and Trademark Office on the date shown below:

January 5, 2006  
  
Margaret Efron, Patent Attorney

COMMUNICATION  
Serial No. 10/678,506  
Docket No. UF-378C1

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Jacqueline DiRamio  
Art Unit : 1641  
Applicant(s) : Richard J. Melker, Ronald L. Hayes, Ka-Wang Kevin Wang, Donn Michael  
Dennis  
Serial No. : 10/678,506  
Filing Date : October 2, 2003  
Conf. No. : 1941  
For : Novel Application of Nanotechnology and Sensor Technologies for Ex-vivo  
Diagnostics

Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

COMMUNICATION UNDER 37 CFR 1.48(a)

Sir:

This Communication and attached documents are being submitted to the U.S. Patent to  
request correction of inventorship in the above-mentioned application.

Attached herewith are the following documents:

- 1) Petition and Request for Correction of Inventorship Under 37 CFR §1.48(a);
- 2) Certificate Under 37 CFR §3.73(b) of Assignee;
- 3) Statement submitted by added inventors (Martin and Stewart) (2);
- 4) Statement submitted by existing inventors (Melker, Hayes, Wang, Dennis) (4);

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Docket No. UF-378C1  
Serial No. 10/678,506

- 5) Newly executed Declaration (37 CFR §1.63) and Power of Attorney form (6); and
- 6) Courtesy copy of recorded assignment for the Examiner's convenience.

Respectfully submitted,



Margaret Efron  
Patent Attorney  
Registration No. 47,545  
Phone No.: (352) 375-8100  
Fax No. : (352) 372-5800  
Address : P.O. Box 142950  
Gainesville, FL 32614-2950

MJE/la

Attachments: as stated above

UNCLASSIFIED//FOR OFFICIAL USE ONLY (U//FOUO) COMMUNICATION DOCUMENT (C/D) 1a

Docket No. UF-378C1

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant(s) : Richard J. Melker, Ronald L. Hayes, Ka-Wang Kevin Wang,  
Donn Michael Dennis

Serial No. : 10/678,506

Filing Date : October 2, 2003

Conf. No. : 1941

For : Novel Application of Nanotechnology and Sensor Technologies for Ex-vivo  
Diagnostics

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned, on behalf of the University of Florida Research Foundation, Inc., submits this paper and a certificate under 37 C.F.R. § 3.73(b) to accompany the petition to correct the inventorship for the above-referenced patent application. I hereby state that the assignee of record for Serial No. 10/678,506, the University of Florida Research Foundation, Inc., agrees to the change of inventorship to add Drs. Charles R. Martin and Jon D. Stewart as co-inventors in the subject application as requested by the accompanying petition.

CERTIFICATE UNDER 37 CFR §3.73(b)

The University of Florida Research Foundation, Inc. certifies that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of assignment from the University of Florida which is recorded in the United States Patent Office at REEL/FRAME 014316/0879 on February 9, 2004 and by virtue of an assignment from the inventors to the University of Florida which is recorded in the United States Patent Office at REEL/FRAME 014244/0386 on January 8, 2004. Attached are copies of the Recorded Assignments.

\\A:\OCCUP\COM\inventorship\uf\378C\Assignee-adinventor.doc\1\NH\1a

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Docket No. UF-378C1  
Serial No. 10/678,506

The undersigned has reviewed all of the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee named above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or of any patent issuing thereon.

University of Florida Research Foundation, Inc.

Signature: David L. Day

Date: 12/20/05

Printed Name: David L. Day

Print Title: Director

H:\DOCP\TOINVENTORS\HUP\UF\378C1\ASSIGNED-ADINVENTOR.DOC\DNB\3



Docket No. UP-378C1

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JAN 05 2006

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Richard J. Melker, Ronald L. Hayes, Ka-Wang Kevin Wang,  
Donn Michael Dennis

Serial No. : 10/678,506

Filing Date : October 2, 2003

Conf. No. : 1941

For : Novel Application of Nanotechnology and Sensor Technologies for Ex-vivo  
Diagnostics

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned submits this paper to accompany the petition to correct inventorship filed on this same date and hereby states that the inventorship error that failed to include me, Jon D. Stewart, as a co-inventor on U.S. Serial No. 10/678,506 occurred without deceptive intent on the part of the Applicants.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or of any patent issuing thereon.

  
Name: Jon D. Stewart8 December, 2005  
Date

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Docket No. UF-378C1

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Richard J. Melker, Ronald L. Hayes, Ka-Wang Kevin Wang,  
Donn Michael Dennis

Serial No. : 10/678,506

Filing Date : October 2, 2003

Conf. No. : 1941

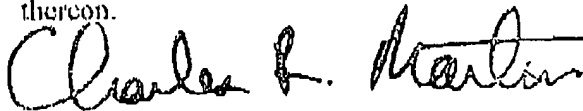
For : Novel Application of Nanotechnology and Sensor Technologies for Ex-vivo  
Diagnostics

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned submits this paper to accompany the petition to correct inventorship filed on this same date and hereby states that the inventorship error that failed to include me, Charles R. Martin, as a co-inventor on U.S. Serial No. 10/678,506 occurred without deceptive intent on the part of the Applicants.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or of any patent issuing thereon.



Name: Charles R. Martin

Date

12/13/05

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Docket No. UF-378C1

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JAN 05 2006

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Richard J. Melker, Ronald L. Hayes, Ka-Wang Kevin Wang,  
Donn Michael Dennis

Serial No. : 10/678,506

Filing Date : October 2, 2003

Conf. No. : 1941

For : Novel Application of Nanotechnology and Sensor Technologies for *Ex-vivo*  
Diagnostics

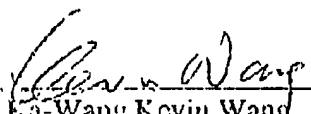
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned, Ka-Wang Kevin Wang, submits this paper to accompany the petition to correct inventorship to add Charles R. Martin and Jon D. Stewart as co-inventors on the above-referenced patent application.

I state that I agree to the addition of Charles R. Martin and Jon D. Stewart as co-inventors on U.S. Serial No. 10/678,506.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or of any patent issuing thereon.

  
Name: Ka-Wang Kevin Wang

Dec 16, 2005  
Date

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Docket No. UJF-378C1

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Richard J. Melker, Ronald L. Hayes, Ka-Wang Kevin Wang,  
Donn Michael Dennis

Serial No. : 10/678,506

Filing Date : October 2, 2003

Conf. No. : 1941

For : Novel Application of Nanotechnology and Sensor Technologies for Ex-vivo  
Diagnostics

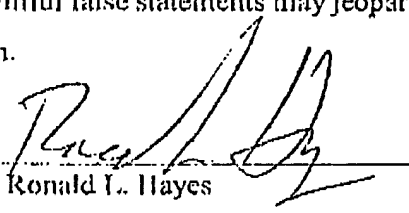
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned, Ronald L. Hayes, submits this paper to accompany the petition to correct inventorship to add Charles R. Martin and Jon D. Stewart as co-inventors on the above-referenced patent application.

I state that I agree to the addition of Charles R. Martin and Jon D. Stewart as co-inventors on U.S. Serial No. 10/678,506.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or of any patent issuing thereon.

  
Name: Ronald L. Hayes  
Date

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Docket No. UJ-378C1

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JAN 05 2006

Applicant(s) : Richard J. Melker, Ronald L. Hayes, Ka-Wang Kevin Wang,  
Donn Michael Dennis

Serial No. : 10/678,506

Filing Date : October 2, 2003

Conf. No. : 1941

For : Novel Application of Nanotechnology and Sensor Technologies for Ex-vivo  
Diagnostics

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned, Donn Michael Dennis, submits this paper to accompany the petition to correct inventorship to add Charles R. Martin and Jon D. Stewart as co-inventors on the above-referenced patent application.

I state that I agree to the addition of Charles R. Martin and Jon D. Stewart as co-inventors on U.S. Serial No. 10/678,506.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or of any patent issuing thereon.

  
Name: Donn Michael Dennis

12-9-2005  
Date

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Docket No. UF-378C1

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JAN 05 2006

Applicant(s) : Richard J. Melker, Ronald L. Hayes, Ka-Wang Kevin Wang,  
Donn Michael Dennis

Serial No. : 10/678,506

Filing Date : October 2, 2003

Conf. No. : 1941

For : Novel Application of Nanotechnology and Sensor Technologies for Ex-vivo  
Diagnostics

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned, Richard J. Melker, submits this paper to accompany the petition to correct inventorship to add Charles R. Martin and Jon D. Stewart as co-inventors on the above-referenced patent application.

I state that I agree to the addition of Charles R. Martin and Jon D. Stewart as co-inventors on U.S. Serial No. 10/678,506.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or of any patent issuing thereon.

  
Name: Richard J. Melker

Date

DECEMBER 16, 2005

11:\DOCP\XINVENTORSHIP\UF378C1\MELKER-INVENTORSHIP.DOC\DNH/a

Docket No. UF-378C1

## DECLARATION (37 C.F.R. § 1.63) AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name; and

I believe that I am the original, first, and sole inventor (if only one name is listed below), or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **Novel Application of Nanotechnology and Sensor Technologies for Ex-vivo Diagnostics**, specification for which☐ is attached hereto.☒ was filed October 2, 2003, Serial No. 10/678,506

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (a).

I hereby claim foreign priority benefits under Title 35, United States Code §119 and/or §365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Application Serial No.	Country	Filing Date	Priority Claimed
---------------------------	---------	-------------	------------------

I hereby claim priority benefits under Title 35, United States Code §119 of any provisional application(s) for patent listed below:

Application Serial No.	Filing Date	Priority Claimed
60/292,962	May 23, 2001	Yes

I hereby claim the benefit under Title 35, United States Code, §120 and/or §365 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (Patented, Pending, Abandoned)
10/154,201	May 22, 2002	Pending
10/274,829	October 21, 2002	Pending
10/345,532	January 16, 2003	Pending

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Page 1 of 3

Docket No. UF-378C1

I hereby appoint the following persons registered to practice before the Patent and Trademark Office as my attorneys with full power of substitution and revocation to prosecute this application and all divisions and continuations thereof and to transact all business in the Patent and Trademark Office connected therewith who are associated with Customer Number 23557.

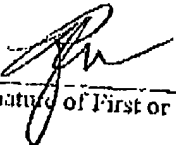
The attorneys/patent agents currently associated with this Customer Number are: David R. Saliwanchik, Reg. No. 31,794; Jeff Lloyd, Reg. No. 35,589; Doran R. Pace, Reg. No. 38,261; Jay M. Sanders, Reg. No. 39,355; Jean Kyle, Reg. No. 36,987; James S. Parker, Reg. No. 40,119; Frank C. Eisenschien, Reg. No. 45,332; Glenn P. Ladwig, Reg. No. 46,853; Margaret Efron, Reg. No. 47,545; Gwendolyn L. Daniels, Reg. No. 51,594; John M. Sanders, Reg. No. 30,126; Jenna M. Morrison, Reg. No. 55,468; and Mai-Tram Dinh Lauer, Reg. No. 43,589.

I request that all correspondence be sent to:

Margaret Efron  
Saliwanchik, Lloyd & Saliwanchik  
A Professional Association  
PO Box 142950  
Gainesville, FL 32614-2950

I further request that all telephone communications be directed to:

Margaret Efron  
352-375-8100

Name of First or Sole Inventor Richard J. Melker  
Residence Gainesville, FL Citizenship United States  
Post Office Address 6101 N.W. 19<sup>th</sup> Place  
Gainesville, FL 32605  
Signature of First or Sole Inventor  Date DECEMBER 14, 2005

.....  
Name of Second Joint Inventor Ronald L. Hayes  
Residence Gainesville, FL Citizenship United States  
Post Office Address 8032 S.W. 45<sup>th</sup> Lane  
Gainesville, FL 32608  
Signature of Second Joint Inventor \_\_\_\_\_ Date \_\_\_\_\_



Docket No. UF-378C1

Name of Third Joint Inventor Ka-Wang Kevin Wang  
Residence Gainesville, FL Citizenship United States  
Post Office Address 9966 S.W. 19<sup>th</sup> Lane  
Gainesville, FL 32607  
Signature of Third Joint Inventor \_\_\_\_\_ Date \_\_\_\_\_  
.....  
Name of Fourth Joint Inventor Donn Michael Dennis  
Residence Gainesville, FL Citizenship United States  
Post Office Address 4919 S.W. 95<sup>th</sup> Terrace  
Gainesville, FL 32608  
Signature of Fourth Joint Inventor \_\_\_\_\_ Date \_\_\_\_\_  
.....  
Name of Fifth or Sole Inventor Charles R. Martin  
Residence Gainesville, FL Citizenship United States  
Post Office Address 2135 N.W. 28<sup>th</sup> Street  
Gainesville, FL 32605  
Signature of Fifth or Sole Inventor \_\_\_\_\_ Date \_\_\_\_\_  
.....  
Name of Sixth Joint Inventor Jon D. Stewart  
Residence Gainesville, FL Citizenship United States  
Post Office Address 3328 N.W. 110<sup>th</sup> Terrace  
Gainesville, FL 32606  
Signature of Sixth Joint Inventor \_\_\_\_\_ Date \_\_\_\_\_

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Page 3 of 3

Docket No. UF-378C1

## DECLARATION (37 C.F.R. § 1.63) AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name; and

I believe that I am the original, first, and sole inventor (if only one name is listed below), or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **Novel Application of Nanotechnology and Sensor Technologies for Ex-vivo Diagnostics**, specification for which

☐ is attached hereto.

☒ was filed October 2, 2003, Serial No. 10/678,506.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (a).

I hereby claim foreign priority benefits under Title 35, United States Code §119 and/or §365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Application Serial No.	Country	Filing Date	Priority Claimed
---------------------------	---------	-------------	------------------

I hereby claim priority benefits under Title 35, United States Code §119 of any provisional application(s) for patent listed below:

Application Serial No.	Filing Date	Priority Claimed
60/292,962	May 23, 2001	Yes

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Docket No. UF-378C1

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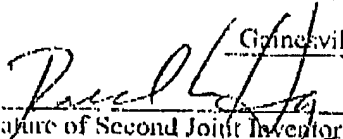
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352-375-8100

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Residence Gainesville, FL Citizenship United States  
Post Office Address 8032 S.W. 45<sup>th</sup> Lane  
Gainesville, FL 32608  
  
Signature of Second Joint Inventor Date 12/07/05

Docket No. UF-37801

Name of Third Joint Inventor Ka-Wang; Kevin WangResidence Gainesville, FL Citizenship United StatesPost Office Address 9966 S.W. 19<sup>th</sup> Lane  
Gainesville, FL 32607

Signature of Third Joint Inventor \_\_\_\_\_ Date \_\_\_\_\_

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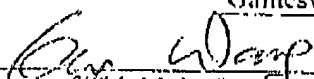
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UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231



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JANUARY 09, 2004

PTAS

SALIWANCHIK LLOYD & SALIWANCHIK  
MARGARET H. EFRON  
2421 N.W. 41ST STREET  
SUITE A-1  
GAINESVILLE, FL 32606

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/08/2004

REFI/FRAME: 014244/0386

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

MELKER, RICHARD J.

DOC DATE: 10/20/2003

## ASSIGNOR:

HAYES, RONALD L.

DOC DATE: 11/03/2003

## ASSIGNOR:

WANG, KA-WANG KEVIN

DOC DATE: 11/03/2003

## ASSIGNOR:

DENNIS, DONN MICHAEL

DOC DATE: 11/04/2003

## ASSIGNEE:

UNIVERSITY OF FLORIDA  
223 GRINTER HALL  
GAINESVILLE, FLORIDA 32611

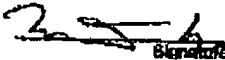
014244/0386 PAGE 2

SERIAL NUMBER: 10678506  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

TARA WASHINGTON, EXAMTNER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

01/08/2004  
700059754

<small>Form PTO-1585 (Rev. 10/02)</small> <b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>		<small>U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office</small>
<small>To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.</small>		
<b>1. Name of conveying party(ies):</b> 1) Richard J. Melkor 2) Ronald L. Hayes 3) Ka-Wang Kevin Wang 4) Donn Michael Dennis  <small>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</small>	<b>2. Name and address of receiving party(ies)</b> Name: <u>University of Florida</u> Internal Address: _____ _____ _____ Street Address: <u>223 Grinter Hall</u> _____ City: <u>Gainesville</u> State: <u>FL</u> Zip: <u>32611</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  Execution Dates: <u>10/20/03; 11/03/03; 11/03/03; and 11/04/03, respectively</u>	<b>4. Application number(s) or patent number(s):</b> If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) _____ Serial No. <u>10/678,608; filed October 2, 2003</u> <small>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</small> B. Patent No.(s) _____	
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b> Name: <u>Margaret H. Efron</u> Internal Address: <u>Schwartzik, Lloyd &amp; Schwartzik</u> <u>A Professional Association</u> _____ Street Address: <u>2421 N.W. 41<sup>st</sup> Street, Suite A-1</u> _____ City: <u>Gainesville</u> State: <u>FL</u> Zip: <u>32608</u>	<b>6. Total number of applications and patents involved: 1</b>  <b>7. Total fee (37 CFR 3.41) \$ 40.00</b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <b>8. Deposit account number:</b>  <div style="text-align: center; font-size: 1.2em;">19-0065</div> <small>(Attach duplicate copy of this page if paying by deposit account)</small>	
<b>DO NOT USE THIS SPACE</b>		
<b>9. Statement and signature.</b>  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.		
<div style="display: flex; justify-content: space-between;"> <div> <u>Margaret H. Efron</u>  <small>Name of Person Signing</small> </div> <div style="text-align: center;">   <small>Signature</small> </div> <div style="text-align: right;"> <u>January 8, 2004</u>  <small>Date</small> </div> </div> Total number of pages including cover sheet, attachments, and documents: <u>6</u> Atty Docket No. <u>UF-378C1</u>		

Docket No. UF-378C1

## ASSIGNMENT

WHEREAS, We, the undersigned, residing at the indicated address given below, have invented certain new and useful improvements in **Novel Application of Nanotechnology and Sensor Technologies for *In-Vitro* Diagnostics**, for which an application for United States Letters Patent was

☐ Signed by me as dated below.

☒ filed October 2, 2003, Serial No. 10/678,506

WHEREAS, the UNIVERSITY OF FLORIDA, existing by virtue of the laws of the State of Florida, and having an office at 223 Grinter Hall, Gainesville, Florida 32611, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of our prior employment with the UNIVERSITY OF FLORIDA, and other valuable consideration, we, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said UNIVERSITY OF FLORIDA, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said UNIVERSITY OF FLORIDA, as the assignee of the entire right, title and interest in and to the same, for the sole use and behoof of said UNIVERSITY OF FLORIDA, its successors and assigns.

FURTHER, we agree that we will communicate to said UNIVERSITY OF FLORIDA, or its representatives, any facts known to me respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said UNIVERSITY OF FLORIDA; make all rightful oaths; and generally do everything possible to aid the said UNIVERSITY OF FLORIDA, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

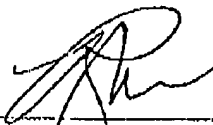
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Page 1 of 5

Docket No. UF-378C1  
Assignment

IN TESTIMONY WHEREOF, I have hereunto set my hand this 20 day of  
OCTOBER, 2003.

Signed



Address:

Richard J. Melker  
6101 N.W. 19th Place  
Gainesville, FL 32065

State of Florida )

County of Alachua )

On this 20<sup>th</sup> day of October, 2003 personally appeared before me the  
above-named RICHARD J. MEIKER, to me known to me to be the person described in the  
foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be  
his free act and deed in and for the purposes set forth in said instrument.

  
Notary Public

My Commission Expires:

12-3-2003

SEAL

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Page 2 of 5

Docket No. UF-378C1  
Assignment

IN TESTIMONY WHEREOF, I have hereunto set my hand this Third day of  
November, 2003.

Signed



Ronald L. Hayes

Address:

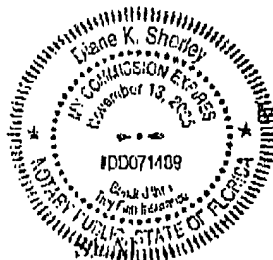
8032 S.W. 45th Lane  
Gainesville, FL 32608

State of Florida )

County of Alachua )

On this 3rd day of November, 2003 personally appeared before me the  
above-named RONALD L. HAYES, to me known to me to be the person described in the foregoing  
instrument, who executed the foregoing instrument, and who acknowledged the same to be his free  
act and deed in and for the purposes set forth in said instrument.

  
Notary Public



My Commission Expires: 11/13/05

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Page 3 of 5

Docket No. UF-378C1  
Assignment

IN TESTIMONY WHEREOF, I have hereunto set my hand this Third day of  
November, 2003.

Signed: Ka-Wang Kevin Wang  
Ka-Wang Kevin Wang  
Address: 9966 S.W. 19th Lane  
Gainesville, FL 32607

State of Florida                    )  
County of Alachua                )

On this 3rd day of November, 2003 personally appeared before me the  
above-named KA-WANG KEVIN WANG, to me known to me to be the person described in the  
foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be  
his free act and deed in and for the purposes set forth in said instrument.



SEAL

Diane K. Shuley  
Notary Public

My Commission Expires: 11/13/05

11:\doc\form\uf\UF-378C1-ASG.doc\DNB/ba

Page 4 of 5

Docket No. UF-378C1  
Assignment

IN TESTIMONY WHEREOF, I have hereunto set my hand this 4<sup>th</sup> day of November, 2003.

Signed Donn M. Dennis  
Donn Michael Dennis  
Address: 4919 SW 95th Terrace  
Gainesville, FL 32608-4189

State of Florida )

County of Alachua )

On this 4 day of November, 2003 personally appeared before me the above-named DONN MICHAEL DENNIS, to me known to me to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his free act and deed in and for the purposes set forth in said instrument.



M. Kelly Spaulding  
Notary Public

My Commission Expires: 12-3-2003

SEAL.

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Page 5 of 5





UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231



\*7000648284\*

FEBRUARY 10, 2004

PTAS

SALIWANCHIK, LLOYD & SALIWANCHIK  
MARGARET H. EFRON  
2421 N.W. 41ST STREET, SUITE A-1  
A PROFESSIONAL ASSOCIATION  
GAINESVILLE, FL 32606

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/09/2004

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NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

UNIVERSITY OF FLORIDA

DOC DATE: 08/06/2003

## ASSIGNEE:

UNIVERSITY OF FLORIDA RESEARCH  
FOUNDATION, INC.  
223 GRINTER HALL  
GAINESVILLE, FLORIDA 32653

SERIAL NUMBER: 10678506

FILING DATE: 10/02/2003

PATENT NUMBER:

ISSUE DATE:

014316/0079 PAGE 2

JOANN STEWART, EXAMINER  
ASSIGNMENT DIVISION  
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof					
<b>1. Name of conveying party(ies):</b>  <u>University of Florida</u>  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<b>2. Name and address of receiving party(ies)</b>  Name: <u>University of Florida Research Foundation, Inc.</u> Internal Address: _____ _____ _____ Street Address: <u>223 Grinter Hall</u> _____ _____ City: <u>Gainesville</u> State: <u>FL</u> Zip: <u>32603</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____  Execution Date: <u>August 8, 2003</u> _____					
<b>4. Application number(s) or patent number(s):</b> If this document is being filed together with a new application, the execution date of the application is: _____					
<b>A. Patent Application No.(s)</b>  <u>Serial No. 10/678,508; filed October 2, 2003</u>  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<b>B. Patent No.(s)</b>        		
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  Name: <u>Margaret H. Efron</u> Internal Address: <u>Saltwanchik, Lloyd &amp; Saltwanchik</u> <u>A Professional Association</u> _____ _____ Street Address: <u>2424 N.W. 41<sup>st</sup> Street, Suite A-1</u> _____ _____ City: <u>Gainesville</u> State: <u>FL</u> Zip: <u>32608</u>			<b>6. Total number of applications and patents involved: 1</b>  <b>7. Total fee (37 CFR 3.41) ——— \$ <u>40.00</u></b> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <b>8. Deposit account number:</b>  <div style="text-align: right; font-size: 1.2em; font-weight: bold;">19-0065</div> (Attach duplicate copy of this page if paying by deposit account)		
<b>DO NOT USE THIS SPACE</b>					
<b>9. Statement and Signature.</b>  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.					
<u>Margaret H. Efron</u> Name of Person Signing		 Signature		<u>February 9, 2004</u> Date	
Total number of pages including cover sheet, attachments, and documents: <b>3</b> Atty Docket No. <b>UF-378C1</b>					

ASSIGNMENT FROM UNIVERSITY OF FLORIDA  
TO THE  
UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC.

In consideration of one dollar (\$1.00) and other good and valuable consideration, the UNIVERSITY OF FLORIDA, existing by virtue of the laws of the State of Florida, and having an office at 223 Grinter Hall, Gainesville, Florida 32611, sells and assigns to the UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, a Florida not for profit corporation, having its office at 223 Grinter Hall, Gainesville, Florida 32611, its successors and assigns, the entire right, title and interest throughout the world in and to the improvements in :

US#-11189 - Novel Application of Biosensor and Electronic Nose/Tongue  
Technologies for in Vitro Diagnostics

and in and to said application and all patents (foreign and domestic) which may be granted therefor and thereon, and all divisions, reissues, continuations and extensions thereof (foreign and domestic), subject to performance by the UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, of the obligations of the UNIVERSITY OF FLORIDA under the UNIVERSITY OF FLORIDA's Patent Policy with regard to the above-described invention, and the UNIVERSITY OF FLORIDA covenants that it has full right to so sell and assign; and it authorizes and requests the Commissioner of Patents and Trademarks to issue all patents on said improvements or resulting therefrom to said UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, as assignee of the entire interest; and it agrees that it will communicate to said UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, or its representatives any facts known to it respecting said improvements, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, its successors, assigns and nominees, to obtain and enforce proper protection for said improvements in all countries.

Executed this 6 day of August, 2003.

UNIVERSITY OF FLORIDA

By: Winfred M. Phillips

Winfred M. Phillips, Ph.D.

Vice President

Research and Graduate Programs

COUNTY OF ALACHUA  
STATE OF FLORIDA

The foregoing instrument was acknowledged before me this 6 day

of August, 2002, by Winfred M. Phillips, Ph.D., who is personally  
known to me and who did take an oath.



Kathleen A. Wilson  
MY COMMISSION # DD189283 EXPIRES  
April 17, 2007  
BONDED THROUGH TROY FAIN INSURANCE, INC.

Kathleen A. Wilson Notary Public, Commission No. \_\_\_\_\_  
(Signature)

Kathleen A. Wilson (Name of Notary typed, printed or stamped)

Accepted by:

UNIVERSITY OF FLORIDA  
RESEARCH FOUNDATION, INC.

By: David L. Day  
David L. Day  
Director  
Office of Technology Licensing

Attest:

John B. Co

Page Two of Two

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